

Light efficiency:

70 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3033 K

Output: 1243 lm

Peak: 8485 cd

Power: 17.7 W

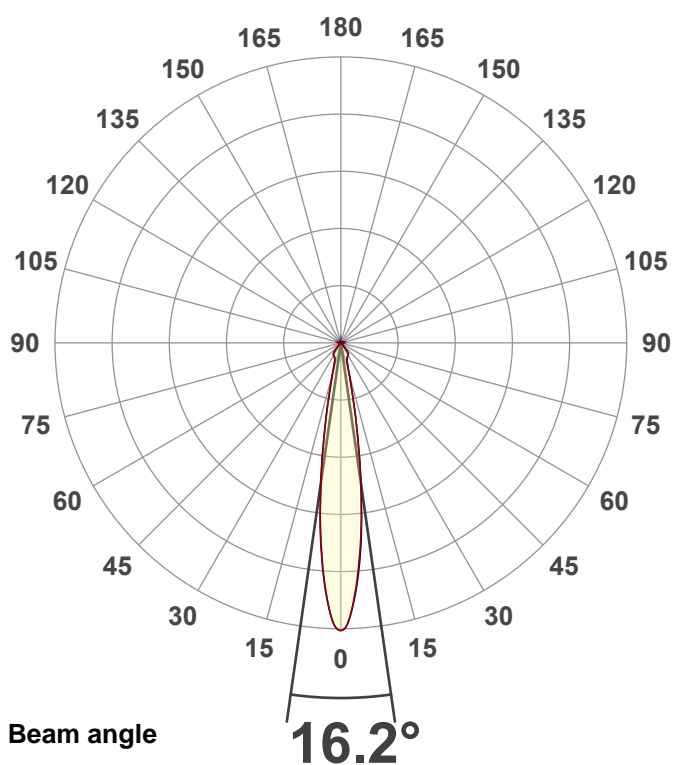
PF: 0.97



BETA-3R-SW-15LM-30K-80-15C-WH-WH

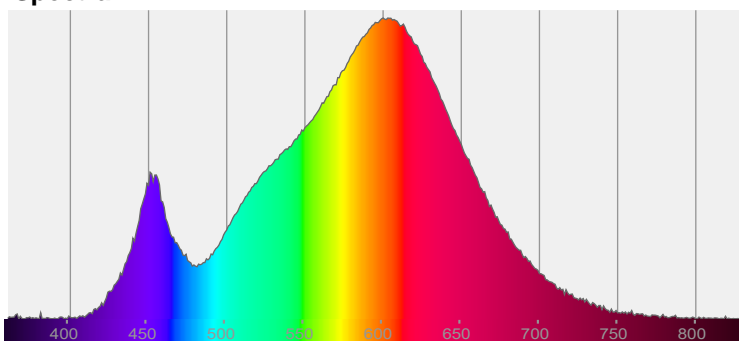
Date and time:

12/28/2022 3:41:53 PM

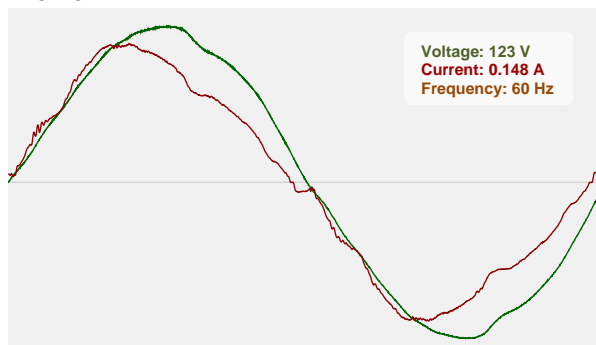


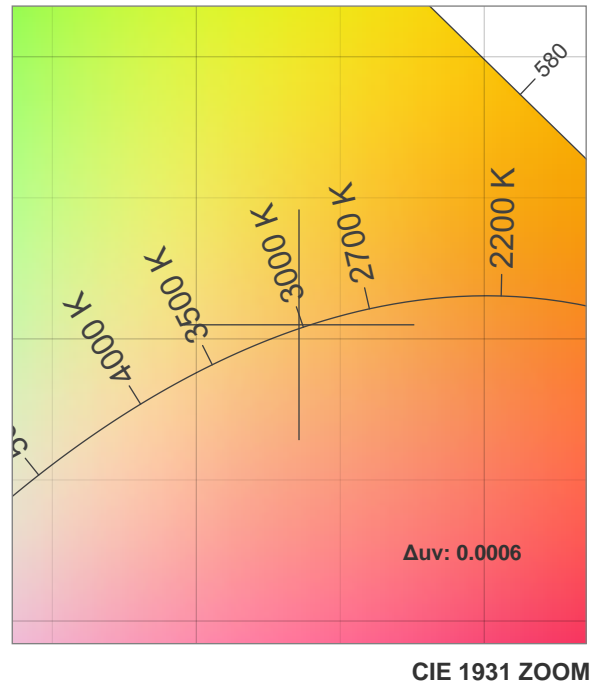
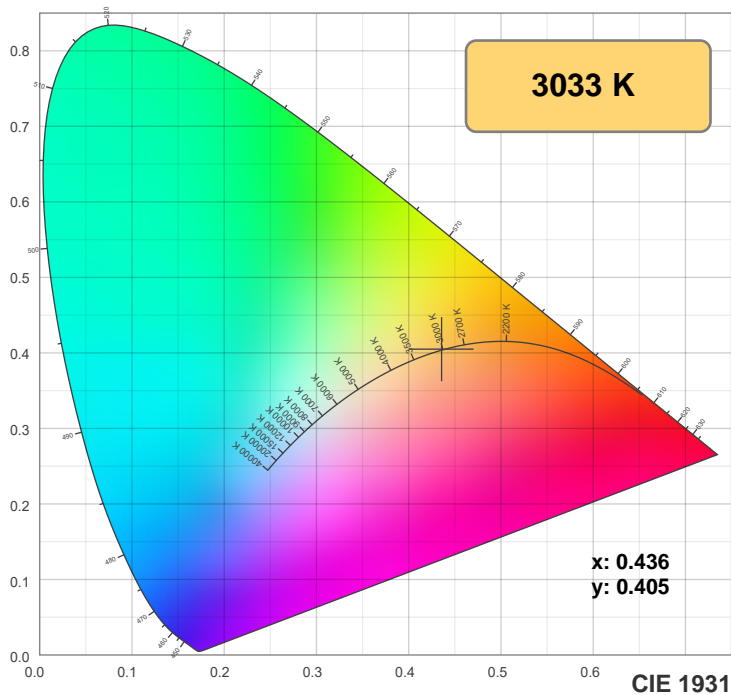
CIE 1931  
x: 0.436  
y: 0.405

Spectra

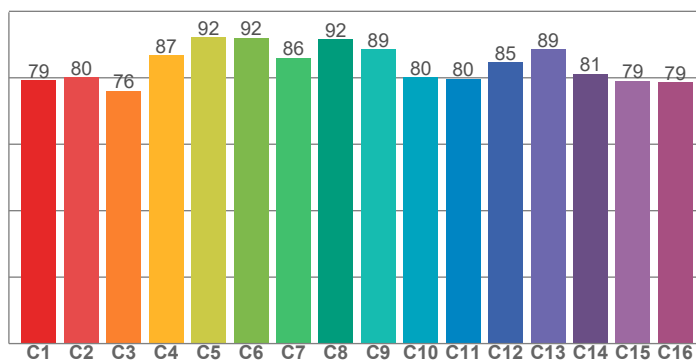


Power

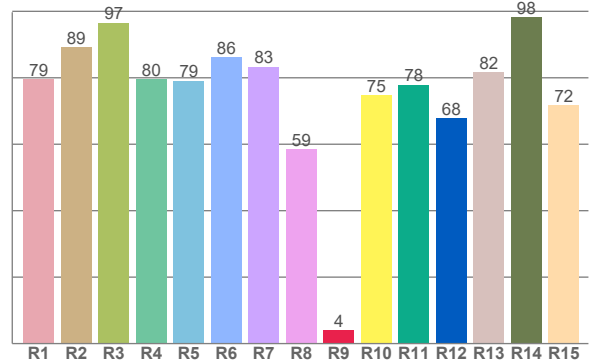




TM30: 84.0



CRI: 81.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79.5	89.1	96.6	79.6	79.1	86.1	83.3	58.6	4.0	74.7	77.9	67.7	81.6	98.2	71.7

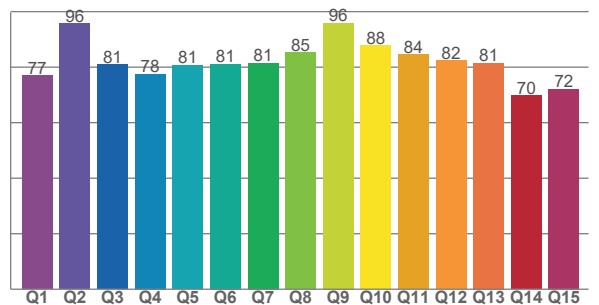
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	80.2	76.1	86.7	92.1	92.1	85.9	91.6	88.5	80.2	79.7	84.6	88.6	81.2	79.0	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	95.7	80.9	77.6	80.7	81.1	81.4	85.2	95.9	87.8	84.5	82.3	81.5	69.8	72.2

CQS: 80.8



## Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3033 K	81.5	4.0	84.0	95.9	80.8	0.436	0.405	0.249	0.348	0.0006

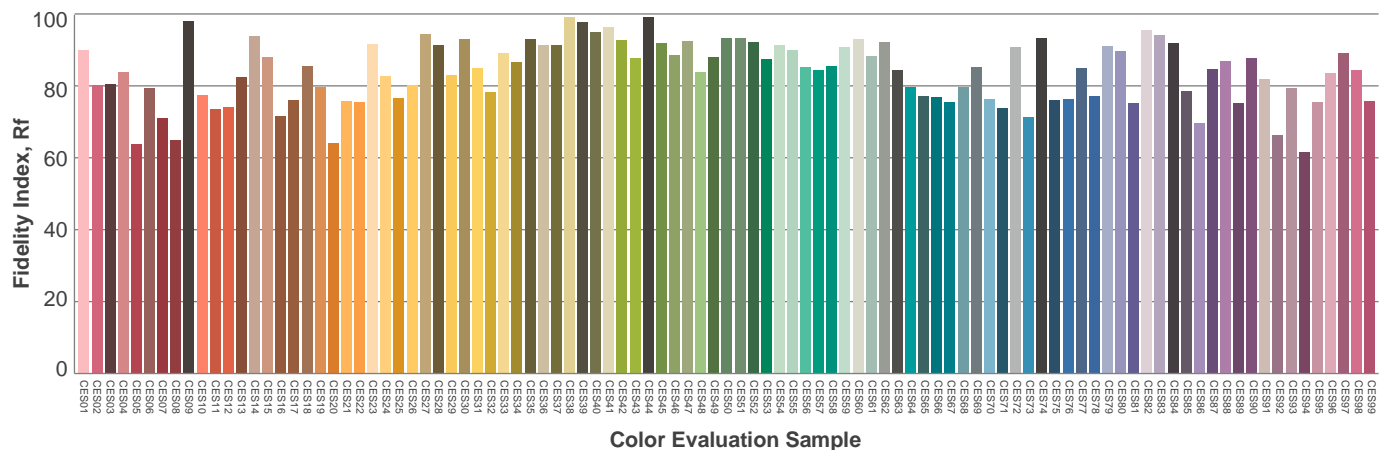
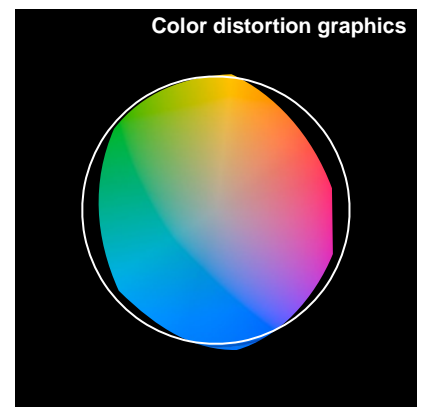
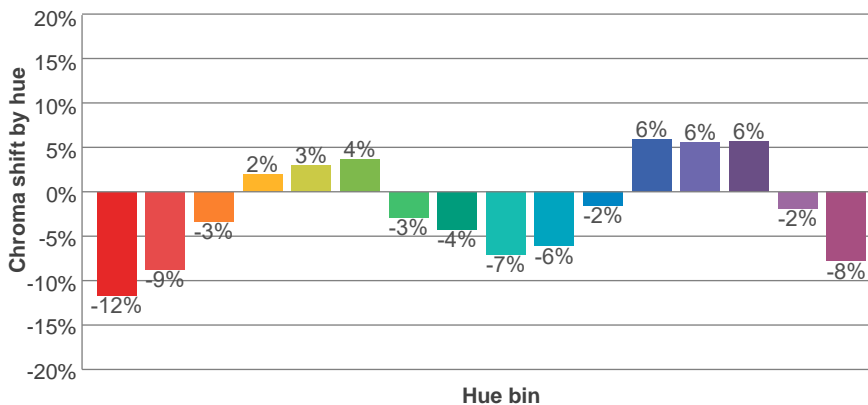
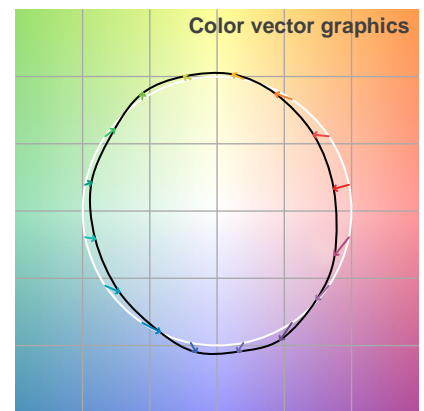
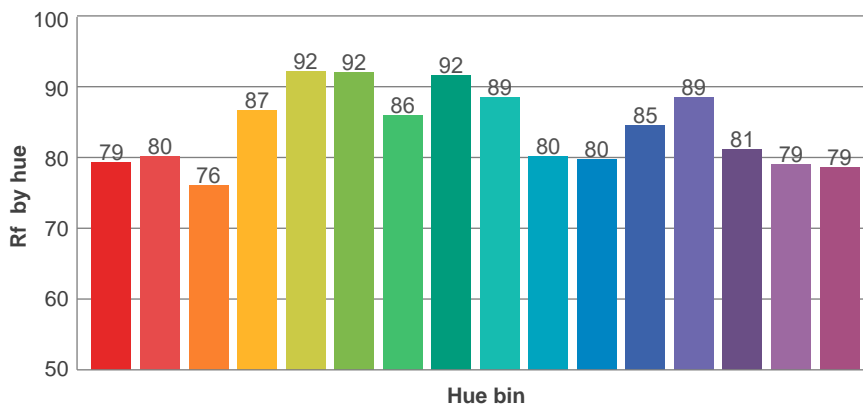
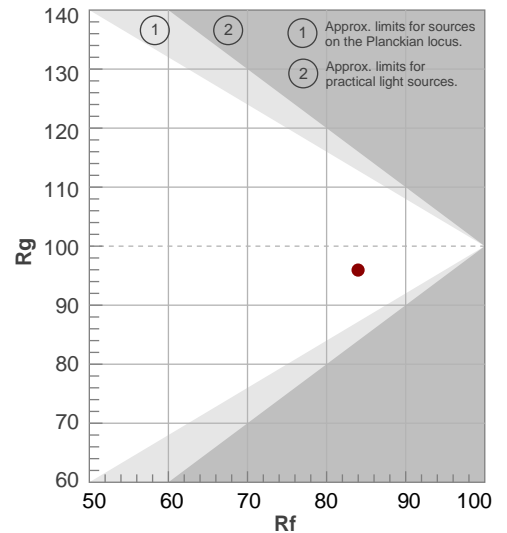
**Rf 84.0**

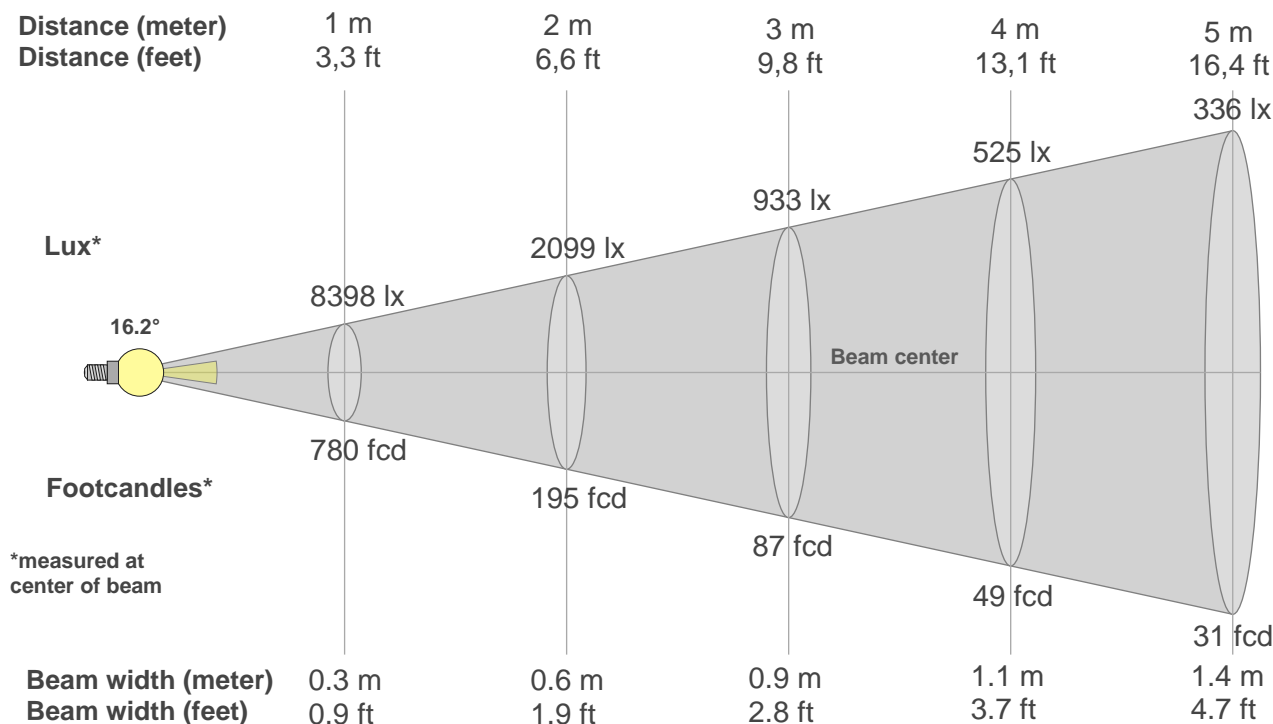
Fidelity index Rf

**Rg 95.9**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	76	-3%	12%
4	87	2%	8%
5	92	3%	5%
6	92	4%	-3%
7	86	-3%	-8%
8	92	-4%	-3%
9	89	-7%	3%
10	80	-6%	10%
11	80	-2%	15%
12	85	6%	5%
13	89	6%	-5%
14	81	6%	-14%
15	79	-2%	-14%
16	79	-8%	-15%





#### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
8398lx	2099lx	933lx	525lx	336lx	233lx	171lx	131lx	104lx	84lx	69lx	58lx	50lx	43lx	37lx	33lx	29lx	26lx	23lx	21lx
780.2fcd	195fcd	86.7fcd	48.8fcd	31.2fcd	21.7fcd	15.9fcd	12.2fcd	9.6fcd	7.8fcd	6.4fcd	5.4fcd	4.6fcd	4fcd	3.5fcd	3fcd	2.7fcd	2.4fcd	2.2fcd	2fcd

#### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8398	8412	7995	7522	6973	6335	5696	5006	4316	3651	3004	2386	1931	1477	1183	954	765	679	593	554
100%	100%	95%	90%	83%	75%	68%	60%	51%	43%	36%	28%	23%	18%	14%	11%	9%	8%	7%	7%

#### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8398	8429	8003	7578	7042	6424	5788	5042	4296	3613	2955	2357	1918	1479	1218	992	817	721	624	584
100%	100%	95%	90%	84%	76%	69%	60%	51%	43%	35%	28%	23%	18%	15%	12%	10%	9%	7%	7%

#### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8398	8384	8064	7600	7088	6433	5778	5058	4324	3629	3002	2375	1955	1547	1239	1027	824	733	642	586
100%	100%	96%	90%	84%	77%	69%	60%	51%	43%	36%	28%	23%	18%	15%	12%	10%	9%	8%	7%

#### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8398	8364	8070	7568	7046	6378	5711	5009	4293	3602	2986	2370	1916	1496	1159	955	751	668	590	539
100%	100%	96%	90%	84%	76%	68%	60%	51%	43%	36%	28%	23%	18%	14%	11%	9%	8%	7%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.2°	31.5°	76.4°	99.6%	99.2%